CLAIMS:

1. A method for moving at least two elements of a placement machine in and opposite to a predetermined direction, in which the second element is moved by means of the first element, characterized in that the first element is moved in the predetermined direction while at the same time the second element is moved relative to the first element in a direction opposite to the predetermined direction.

2. A method as claimed in claim 1, characterized in that the first element is moved in the predetermined direction over a distance that is substantially equal to the distance over which the second element is moved in the opposite direction.

3. A method as claimed in claim 1 or 2, characterized in that the first element is moved in the predetermined direction with a speed that is substantially equal to the speed with which the second element is moved in the opposite direction.

4. A method as claimed in one of the preceding claims, characterized in that the second element is also moved in a transverse direction extending transversely to the predetermined direction.

5. A method as claimed in one of the preceding claims, characterized in that the second element comprises a component placement element that is moved relative to the second element in a direction of placement extending transversely to the predetermined direction.

6. A method as claimed in one of the preceding claims, characterized in that the second element comprises an image sensor by means of which images can be made.

7. A placement machine suitable for executing the method as claimed in one of the preceding claims, the placement machine comprising two movable elements that can be moved in and opposite to a predetermined direction, the second element being movable by

means of the first element, characterized in that the first element and the second element can be moved relative to each other in and opposite to the predetermined direction.

8. A placement machine as claimed in claim 7, characterized in that the second element can be moved in a transverse direction extending transversely to the predetermined direction.

9. A placement machine as claimed in claim 7 or 8, characterized in that the second element comprises a component placement element that can be moved relative to the second element in a direction of placement extending transversely to the predetermined direction.

10. A placement machine as claimed in one of the preceding claims 7 to 9, characterized in that the second element comprises an image sensor.